

Title (en)

Hydraulic system for controlling rotation of a railroad car body and featuring an actuator depressurizing device

Title (de)

Hydraulisches System zum Steuern der Neigung eines Eisenbahnwagenkastens mit einer Vorrichtung zur Druckentlastung eines Stelltriebs

Title (fr)

Système hydraulique pour contrôler l'inclinaison d'une caisse d'un véhicule ferroviaire avec un dispositif pour dépressurer un actionneur

Publication

EP 0713816 B1 19990217 (EN)

Application

EP 95118463 A 19951123

Priority

IT TO940954 A 19941125

Abstract (en)

[origin: EP0713816A1] A hydraulic system (1) for controlling rotation of a railroad car body (2), and presenting a motor pump assembly (8) connected to a hydraulic fluid tank (7) and to a supply line (14); a number of hydraulic actuators (3a, 3b, 4a, 4b) for exerting mechanical force on the body (2) to rotate it; a solenoid valve (26) for selectively connecting the hydraulic actuators (3a, 3b, 4a, 4b) to the supply line (14) and to a drain (29) in response to electric control signals; and a device (61) for depressurizing the actuators (3a, 3b, 4a, 4b) and disabling the system at the end of the duty period or in the event of an emergency. The device (61) presents two hydraulically driven, normally-open disabling valves (47) interposed between respective pairs of actuators (3a, 4a; 3b, 4b) and the drain (29), and presenting respective drive lines (59) connected to the supply line (14); and an electric distributor (46) for depressurizing the drive lines (59). <IMAGE>

IPC 1-7

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IPC 8 full level

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CPC (source: EP)

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Cited by

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